RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: _10 /569,766A_
Source: _1FWP_
Date Processed by STIC: _9/26/06_

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 09/26/2006
PATENT APPLICATION: **US/10/569,766A**   TIME: 10:35:20

Input Set : **A:\GENOM.032NP.TXT**
Output Set: **N:\CRF4\09262006\J569766A.raw**

```
 4 <110> APPLICANT: Crothers, Donald M.
 6 <120> TITLE OF INVENTION: OLIGONUCLEOTIDE SEQUESTERING AGENTS AND
 7       METHODS OF USE
 9 <130> FILE REFERENCE: GENOM.032NP
11 <140> CURRENT APPLICATION NUMBER: US 10/569,766A
12 <141> CURRENT FILING DATE: 2006-02-23
14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/027412
15 <151> PRIOR FILING DATE: 2004-08-23
17 <150> PRIOR APPLICATION NUMBER: 60/497,821
18 <151> PRIOR FILING DATE: 2003-08-25
20 <160> NUMBER OF SEQ ID NOS: 26
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 54
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 tctgtaagag cagatccctg gacaggcaag gaatacagag ggcagcagac atcg       54
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 27
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
40 <400> SEQUENCE: 2
41 gcctgtccag ggatctgctc ttacaga                                     27
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 22
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
51 <400> SEQUENCE: 3
52 ggacaaaata cctgtattcc tt                                          22
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 41
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
62 <220> FEATURE:
63 <221> NAME/KEY: modified_base
64 <222> LOCATION: 41
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```
        65 <223> OTHER INFORMATION: n=dideoxyG
        67 <400> SEQUENCE: 4
W-->    68 gatccctgga caggccggaa gcggcttttt tgccgcttcc n              41
        70 <210> SEQ ID NO: 5
        71 <211> LENGTH: 41
        72 <212> TYPE: DNA
        73 <213> ORGANISM: Artificial Sequence
        75 <220> FEATURE:
        76 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
        78 <400> SEQUENCE: 5
        79 gtgccgagac gtttttttcgt ctcggcacta ggaatacagg t             41
        81 <210> SEQ ID NO: 6
        82 <211> LENGTH: 26
        83 <212> TYPE: DNA
        84 <213> ORGANISM: Artificial Sequence
        86 <220> FEATURE:
        87 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
        89 <400> SEQUENCE: 6
        90 ctcccgcaga caccttctcc ttcaag                               26
        92 <210> SEQ ID NO: 7
        93 <211> LENGTH: 15
        94 <212> TYPE: DNA
        95 <213> ORGANISM: Artificial Sequence
        97 <220> FEATURE:
        98 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
       100 <400> SEQUENCE: 7
       101 tgatgatgaa atcgg                                          15
       103 <210> SEQ ID NO: 8
       104 <211> LENGTH: 15
       105 <212> TYPE: DNA
       106 <213> ORGANISM: Artificial Sequence
       108 <220> FEATURE:
       109 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
       111 <400> SEQUENCE: 8
       112 tgatgatgaa atcga                                          15
       114 <210> SEQ ID NO: 9
       115 <211> LENGTH: 39
       116 <212> TYPE: DNA
       117 <213> ORGANISM: Artificial Sequence
       119 <220> FEATURE:
       120 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
       122 <220> FEATURE:
       123 <221> NAME/KEY: modified_base
       124 <222> LOCATION: 39
       125 <223> OTHER INFORMATION: n=dideoxyG
       127 <400> SEQUENCE: 9
W-->   128 ggtgtctgcg ggagcggaag cggctttttg ccgcttccn               39
       130 <210> SEQ ID NO: 10
       131 <211> LENGTH: 37
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```
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
138 <400> SEQUENCE: 10
139 gctgcaccgc tttttgcgg tgcacccgat ttcatca                        37
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 37
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
149 <400> SEQUENCE: 11
150 gctgcaccgc tttttgcgg tgcactcgat ttcatca                        37
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 96
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: RC probe
160 <400> SEQUENCE: 12
161 gcacctcaaa gctgttccgt cccagttgac tatcctcagt gaattctagc tactggcaat 60
162 ctgatcccta tagtgagtcg tattacaggc acaaac                        96
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 15
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
172 <400> SEQUENCE: 13
173 agctactggc aatct                                               15
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 20
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: T7 promoter
183 <400> SEQUENCE: 14
184 ccctatagtg agtcgtatta                                          20
186 <210> SEQ ID NO: 15
187 <211> LENGTH: 6
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Eco RI site
194 <400> SEQUENCE: 15
195 gaattc                                                         6
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 3
```

```
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
205 <400> SEQUENCE: 16
206 gat                                                              3
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 13
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
216 <400> SEQUENCE: 17
217 caggcacaaa cac                                                  13
219 <210> SEQ ID NO: 18
220 <211> LENGTH: 24
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
227 <400> SEQUENCE: 18
228 gcacctcaaa gctgttccgt ccca                                      24
230 <210> SEQ ID NO: 19
231 <211> LENGTH: 21
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: RC primer
238 <400> SEQUENCE: 19
239 gataggagtc acttaagatc g                                         21
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 34
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 20
247 ctaatctgta agagcagatc cctggacagg caag                           34
249 <210> SEQ ID NO: 21
250 <211> LENGTH: 22
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 21
255 aaggaataca ggtattttgt cc                                        22
257 <210> SEQ ID NO: 22
258 <211> LENGTH: 14
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: F5 1698 T7 Probe
265 <400> SEQUENCE: 22
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```
 266 gcctgtccag ggat                                          14
 268 <210> SEQ ID NO: 23
 269 <211> LENGTH: 37
 270 <212> TYPE: DNA
 271 <213> ORGANISM: Artificial Sequence
 273 <220> FEATURE:
 274 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
 276 <220> FEATURE:
 277 <221> NAME/KEY: modified_base
 278 <222> LOCATION: 37
 279 <223> OTHER INFORMATION: n=dideoxyG
 281 <400> SEQUENCE: 23
```
W--> 282 cctggacagg ccggaagcgg cttttttgcc gcttccn   37
```
 284 <210> SEQ ID NO: 24
 285 <211> LENGTH: 25
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Homo sapiens
 289 <400> SEQUENCE: 24
 290 aaggaataca ggtattttgt ccttg                               25
 292 <210> SEQ ID NO: 25
 293 <211> LENGTH: 25
 294 <212> TYPE: DNA
 295 <213> ORGANISM: Artificial Sequence
 297 <220> FEATURE:
 298 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
 300 <400> SEQUENCE: 25
 301 caaggacaaa atacctgtat tcctt                               25
 303 <210> SEQ ID NO: 26
 304 <211> LENGTH: 40
 305 <212> TYPE: DNA
 306 <213> ORGANISM: Artificial Sequence
 308 <220> FEATURE:
 309 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
 311 <400> SEQUENCE: 26
 312 gtgccgagac gttttttcgt ctcggcacaa ggaatacagg               40
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/26/2006
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    Input Set : **A:\GENOM.032NP.TXT**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 41
Seq#:9; N Pos. 39
Seq#:23; N Pos. 37

VERIFICATION SUMMARY   DATE: 09/26/2006
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Input Set : **A:\GENOM.032NP.TXT**
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L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0